F, D. Phillips Shows How Improvements Have Gradually Perfected It for Use on Trucks.

By F. F. Phillips, Manager Solid Tire Dapt, United States Tire Company.

It certainly must be apparent to any one harboring even a superficial knowledge of the commercial vehicle industry that in the development of the motor truck tires have been a most important factor. In fact I believe I am justified in saying the most important factor, for in truck operation so much depends upon tire service that this feature of the equipment is bound to be a matter of direct concern to the owner.

Good tire service means the forging of a conspicuous link in the general chain of economic truck operation. Hence, the tire problem is the big and final one to e solved in making the truck a thoroughly practical proposition. No matter how perfectly a truck has been developed along other lines it does not become a thing of general utility until it has been equipped with a load carrying foundation that will not only sustain weight and resist the wear and tear of road travel, but will yield a sufficient degree of resiliency to

rotect its mechanism as well. Considering these facts, it is evident that

ondition is going to win out in the long to either party.

Side Wire Serves Light Cars.

Side Wire Serves Light Cars.

The next move in the evolution of the did tire produced what is known as the de wire type, and this proved vastly such of the condession of tire to the one described above. A such of the condession of tires equal distances apart all arounds teller. These were held in place by a condition is going to win out in the long to either party.

Side Wire Serves Light Cars.

The next move in the evolution of the did tire produced what is known as the de wire type, and this proved vastly such of the autocrate of the full loads as part of their regular work.

One of the distinctive features of the light of the did tire produced what is known as the autocrate of the did tire produced what is known as the bear and five ton trucks of the Columbia Contract Company travel under full loads as part of their regular work.

In Pittsburg, Pa.; Cincinnati, Ohio; the

in a fire. These were held in place by a circumferatial wise engaging the ends of the cross wires and holding them in outlien. Various objections were offered to this tire, chief among which was the tendency of the wires to work themselves and impair the strength of the tire as a unit. The side wire tire is well entied to make the tracked and the lighter tracking the wires in the lighter tracking the wires in the lighter tracking the wires in the side wire tire is well entired to make the tracking the wires in the lighter tracking the wires in a market man and unit. The side wire tire is well entired to make the tracking to the lighter tracking the wires in a market man and the ward of the various makes of care. In view of the care unit and the various makes of care. In view of the warious makes of care. In view of the care unit and the various makes of the side tracking the wires in a market and to accede in so far as the man and utility the state of the soft rubber, a better followed to the middle man and utility the makes of the state of the sta

d coupling a tire so constructed demountable features overcoming deally all of the obstacles that ave arisen when replacements are necessary, it seems to me there can be no restloning the fact that tire manucuturers are running neck and neck ith the foremost leaders in motor truck

AUTOMOBILES.



3-Ton Truck

It delivers the goods day in and day outsee it and you will see the reason.

Grand Central Palace

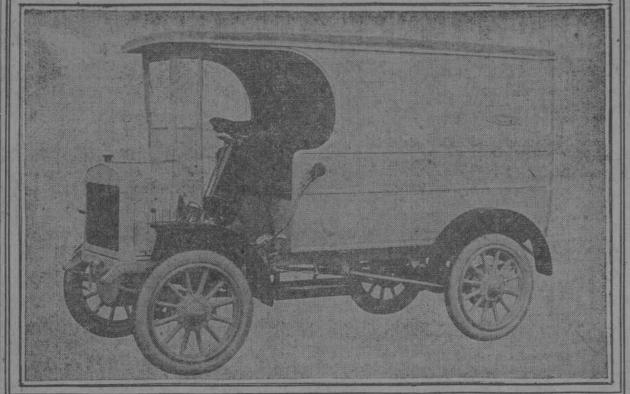
Garland Automobile Company

1,657 Broadway.

Rig Reduction to Show Visitors. All Makes, 100 Cars, 1912-11-10. Closed Bodies, \$50-\$550. 20TH CENTURY CO.,

PEERLESS CARS Peerless Rental Service.

Many Styles in Sampson Motor Wagons ABOLISHESY



DELIVERY WAGON.

The Sampson delivery wagon has a well.

Considering these facts, it is evident that contract of the contract of the montance of the industry, there could interest has been manifested in under the montance of the industry, there could interest has been manifested in under action, through a radiator of generous proportions.

At the Grand Central Palace Show much interest has been manifested in under action, through a radiator of generous proportions.

At the Grand Central Palace Show much interest has been manifested in under action, through a radiator of generous proportions.

The sampson delivery wagon has a motor, having a bore and stroke of 4% ast are mounted on a subframe, in the interest has been manifested in under action, through a radiator of generous proportions.

At the Grand Central Palace Show much interest has been manifested in under action, through a radiator of generous proportions.

At the Grand Central Palace Show much interest has been manifested in understance of 4% activities point suspension, and this unit is perfectly accessible. In order to give the driver easy access to the car from the old will be continued in front under the bood where it is perfectly accessible. In order to give the driver easy access to the car from the siling one when there is no break in the selling; one mounts are placed at the left of the verific special points.

Fastening Problem First.

From the beginning of this now expension, and this unit is perfectly accessible. In order to definitely.

The sampson delivery wagon has a motor, having a bore and stroke of 4% activities points activitie

where easy task. Yet solution of this session by no means has been as difficult as the matter of obtaining a permanent in the surface exposed to the roadway.

Has Had His Day.

Has Had His Day

The Largest Automobile Supply House in America 15-Stores-15

Four Branch Stores in the Metropolitan District

2782 BROADWAY, at 107th Street, New York. 924 EIGHTH AVENUE, at 55th Street, New York. 1421 BEDFORD AVENUE, corner Prospect Place, BROOLKYN. 274 HALSEY STREET, corner Pearl Street, NEWARK, N. J.

Our Catalogue is held as a Book of Reference by Manufacturers, Jobbers and Dealers. Mailed to any one on request. The circulation of our 1912 catalogue will be limited to 100,000 throughout the World. Send your request in early.

See Our Exhibits at Both New York Automobile Shows.

Manufacturer, Jobber, Exporter and Importer.

Home Office, 97-103 Reade Street, New York.

OTHER BRANCHES:-

Philadelphia Boston Cleveland Detroit Buffalo Hartford Albany Springfield Atlanta New Orleans

Franklin Production To Be Continu- MANY OPERATIONS ous, It Is Announced, and Improvements Made as Perfected.

By G. H. Bryant, Advertising Manager Franklin Automobile Company.

Consistent with what we have come to businesslike policy, we have abolished the making of yearly announcements. Here- Those who know a tire simply as a car its most important qualities. In fact, it after our cars will be built in series, and accessory and are not familiar with its might truthfully be said that easy riding

Under the new policy each owner as he buys his car knows he is getting the very latest product, and with our present standardized methods there probably will be very little change in any of the series.

The general impression among the more aggressive and more businessitie automobile dealers is that if they could offer a car without any strings attached to it in the way of approaching announcements they would find a ready market at all

times.

It is to satisfy these dealers that a no yearly announcement policy is being

IN TIRE BUILDING

One Hundred and Fifty Steps Necessary to Make Shoe Out of Prepared Material.

believe to be the most advanced and most By N. E. Oliver, Diamond Rubber Com- not think it important at first thought. pany.

improvements will be made as they are manufacture would be surprised to learn is fully as important in a commercial car perfected. We will not build as of any that nearly 150 operations are necessary as in a pleasure car-perhaps more so. particular year, but production will be to build an automobile tire. This figure Ease of riding in a commercial car pracparticular year, but production will be continuous.

The benefits of such an arrangement are already being felt in the increased interest with which dealers are viewing our proposition.

The yearly announcement has always had a tendency artificially to depreciate the owners' cars and to hurt the chances of the dealer for doing business in the spring. People have not been disposed to buy in the full knowledge that within a few months their cars would be reduced in value by the announcement of a new model, which perhaps did not differ essentially from the car which they owned, but which bore the mark of next year's to build an automobile tire. This figure does not include the countless operations necessary to prepare the material from which the increased interest does not include the countless operations necessary to built. It simply represents the amount of work that it can accomplish. The easier the car rides the faster it can be driven with comfort and safety over all sorts of roads. Also, the easier the seminance of the full knowledge that within a few months their cars would be reduced in value by the announcement of a new model, which perhaps did not differ essentially from the countless operations necessary to prepare the material from which the full are called the countless operations necessary to built. It simply represents the amount of work that it can accomplish. The easier the car rides and the faster it can be driven with comfort and safety over all sorts of roads. Also, the easier the car rides and the less vibration the ienger of the final cure and to finish it can be driven with comfort and safety over all sorts of roads. Also, the easier the car rides and the less vibration the ienger of the final cure and to finish it can be driven with the amount of work that it can be driven with the amo Under the new policy each owner as he even more operations are necessary.

UNDERSLUNG POPULAR.

At the Grand Central Palace Show much auxiliary coil springs.

T. R. Lippard Discusses Lack of Vibration as Factor That Extends Life of Car.

By T. R. Lippard, Vice President Lippard-Stewart Motor Car Company. Although a great many persons would the easy riding of a motor car is one of

from the car which they owned, but roll, and in addition gauge that the body or carcass springs in front are the best possible form of the tire and in making the tread to protect the motor and other mechanical parts from jolts and jars. For the rear spring auspension the conventional long semi-elliptic type have been found admirable, especially if supplemented by

AUTOMOBILES. AUTOMOBILES. AUTOMOBILES. Ford Model T cars will not be exhibited at the Auto-mobile Shows in New York. be exhibited at the Auto-mobile Shows in New York. You will find them at our New York Branch, 1,723 Broadway. will find them at our York Branch, 1,723 This splendid car, with the following complete equipment, for \$690, f. o. b. Detroit 4 Cylinders, 5 Passenger; Extension Top; Speedometer; Ford Magneto built in the motor; 2 sixinch Gas Lamps; Generator; 3 Oll Lamps; Automatic Brass Windshield; Horns and Tools

Handsome - Foredoors - roomy - up-to-the-minute in desired details, strong, simple and backed with a record of five years' satisfaction-giving results in all parts of the world to more than 100,000 users. This beautiful motor car completely equipped for only \$690 f.o.b. Detroit.

FACTS from FORD

There are no "glittering generalities" in FORD advertising.-It gives you the established Facts-we appeal to your judgment through Facts, not with claimsand you know it's more profitable to live with a Fact than to nurse a family of "claims." There's this about FORD advertising that makes it particularly distinctive, and that is its positive harmony with Facts. It is just like FORD Model T—reliable,

Twe tell you FORD Model T is the lowest priced quality car and immediately follow with the Facts.

The extreme simplicity and accurately scientific design—the creation of the marvelous inventive genius of Henry Ford. ¶ Entire mechanical construction of Vanadium Steel, scientifically heat-treated—the

very best as well as the most expensive steel made. The cheapest 4-Cylinder motor car in maintenance, 20 to 25 miles on one gallon of

gasoline and 5,000 to 8,000 miles on one set of tires. The only motor car with the Magneto built into the flywheel as a part of the motor; the only motor car in which there are neither dry cells nor batteries. This is also a

FORD magneto-built entirely in our own shops. The lightest weight 4-Cylinder motor car in the world, size, power and capacity considered-60 pounds to the horsepower. I The FORD Model T has the lowest purchase price and running cost per mile per

passenger of any motor car in the world. The Ford Motor Company devotes all its energy to the production of only one car; it finances the entire business itself, and this is a mighty force in manufacture; no borrowed money, no interest-bearing bond issues, no mortgages, but everything bought and paid for with spot cash, and sold

the same way. There is intense significance in the fact that every fifth car sold in America last year was a FORD MODEL T. This significance increases when you know that every third car made in America this year will be a FORD MODEL T.

The same way.

The same

produced the demand.

q Remember all FORD cars are sold fully equipped—we specify the equipment article by article. When you buy a FORD MODEL T you buy a complete car. q In addition to FORD MODEL T Touring Car we have for immediate delivery

Ford Model T Commercial Roadster, fully equipped, f. o. b. Detroit...\$390
Ford Model T Town Car, fully equipped, f. o. b. Detroit....\$900
Ford Model T Delivery Car, fully equipped, f. o. b. Detroit.....\$700

The wave a series of valuable booklets covering important information for the owners of motor cars. These books will be mailed promptly on request. Branches and Large Distributers in all Principal Cities. No Ford Cars Sold Unequipped.

New York Branch: 1723 Broadway;



Service Building Jackson Ave. & Honeywell st. Long Island City PHONE, 1234-Astoria

AUTO BODIES

Alfred J. WALKER & CO., 218-220 WEST 65TH ST. Telephone, 192-Columbus.